

ABSTRACT

It is intended to achieve the weight reduction, sliming, and downsizing of bushings, compatibility of types of bushings, and simplification of operating steps. A polymer bushing comprises a conductor draw-out bar (1) having a conductor insertion hole (1a) in the lower end, a hard insulation sleeve (2) installed around the outer periphery of the conductor draw-out bar (1), a polymer clad body (3) installed around the outer periphery of the insulation sleeve (2), and an electric field stress-control layer installed on the interface between the insulation sleeve (2) and the polymer clad body (3). The insulation sleeve (2) comprises a large-diameter insulation sleeve (2a) installed around the outer periphery of the lower region of the conductor draw-out bar (1), and a small-diameter insulation sleeve (2b) installed around the outer periphery of a portion of the conductor draw-out bar (1) excluding the front end. An embedment metal part (4) for electric field mitigation purposes is embedded in a portion of connection between the large-and small-diameter insulation sleeves (2a, 2b). Further, installed at the lower end of the large-diameter insulation sleeve (2a) is a cone-shaped receiving port (5) for receiving the stress cone (13) of a cable terminal (11), the receiving port (5) communicating with the conductor insertion hole (1a) in the conductor draw-out bar (1).